

**CLAIMS**

What is claimed is:

- 1           1.       A system comprising:  
2           a controller generator that is adapted to provide an application with a  
3                     controller that receives requests for data from users and responds to  
4                     the requests by obtaining requested data; and  
5           a cookie manager that is adapted to prevent conflicting cookie values  
6                     associated with multiple actions invoking a particular cookie.
  
- 1           2.       The system set forth in claim 1, wherein the controller is adapted to  
2           instantiate the cookie manager before processing a user request.
  
- 1           3.       The system set forth in claim 1, wherein the cookie manager is  
2           adapted to add a cookie value for the particular cookie associated with a first action  
3           of the multiple actions.
  
- 1           4.       The system set forth in claim 3, wherein the cookie manager is  
2           adapted to update the cookie value for a second action of the multiple actions.
  
- 1           5.       The system set forth in claim 1, wherein the cookie manager is  
2           adapted to maintain a most recent value of multiple cookie values provided by the  
3           multiple actions for the particular cookie.

1           6.       The system set forth in claim 1, wherein the cookie manager is  
2 adapted to defer creation of a set cookie header until the controller is ready to  
3 commit a response for a user request.

1           7.       The system set forth in claim 1, comprising a model and a view  
2 separate from one another and separate from the controller, wherein the model is  
3 adapted to provide an application state for the application and the view is adapted  
4 to provide a view presentation for the application.

1           8.       A method comprising:  
2           creating, with a processor-based device, a controller that receives requests  
3                   for data from users and responds to the requests by obtaining  
4                   requested data; and  
5           providing a cookie manager that stores a most recent value of a particular  
6                   cookie invoked by multiple actions.

1           9.       The method set forth in claim 8, wherein providing the cookie  
2 manager comprises creating the cookie manager upon receipt of a user request by  
3 the controller.

1           10.      The method set forth in claim 9, wherein creating comprises  
2 maintaining a queue of cookies for a particular session of processing the user  
3 request.

1           11.     The method set forth in claim 10, wherein maintaining comprises  
2 replacing a previous value associated with a previous action with the most recent  
3 value associated with a most recent action.

1           12.     The method set forth in claim 8, wherein providing the cookie  
2 manager comprises providing add cookie logic to cache a new cookie value for the  
3 particular cookie.

1           13.     The method set forth in claim 8, wherein providing the cookie  
2 manager comprises providing commit cookie logic to commit the most recent  
3 value of the particular cookie for a response to a user request.

1           14.     A system comprising:  
2 means for creating a controller that provides control functions for an  
3 application, the controller being adapted to receive requests for data  
4 from users and respond to the requests by obtaining requested data;  
5 and  
6 means for managing multiple cookie actions to maintain a current value of  
7 a particular cookie.

1           15.     The system set forth in claim 14, wherein the means for managing  
2 comprises means for caching a cookie value for the particular cookie.

1           16.     The system set forth in claim 14, wherein the means for managing  
2     comprises means for committing the current value of the particular cookie for a  
3     response to a user request.

1           17.     A program for creating applications, comprising:  
2             a machine readable medium;  
3             a cookie manager stored on the machine readable medium and adapted to  
4     provide a desired cookie value for a response to a user request, wherein the desired  
5     cookie value is one of multiple cookie values set by different actions for a  
6     particular cookie.

1           18.     The program set forth in claim 17, comprising controller logic  
2     stored on the machine readable medium and adapted to receive requests for data  
3     from users and respond to the requests by obtaining requested data.

1           19.     The program set forth in claim 17, comprising action classes stored  
2     on the machine readable medium and adapted to perform the different actions for  
3     processing the user request.

1           20.     The program set forth in claim 17, wherein the cookie manager  
2     comprises add cookie logic to cache a new cookie value for the particular cookie.

1           21.     The program set forth in claim 20, wherein cookie manager  
2     comprises commit cookie logic to commit the desired cookie value in a portion of  
3     the request.